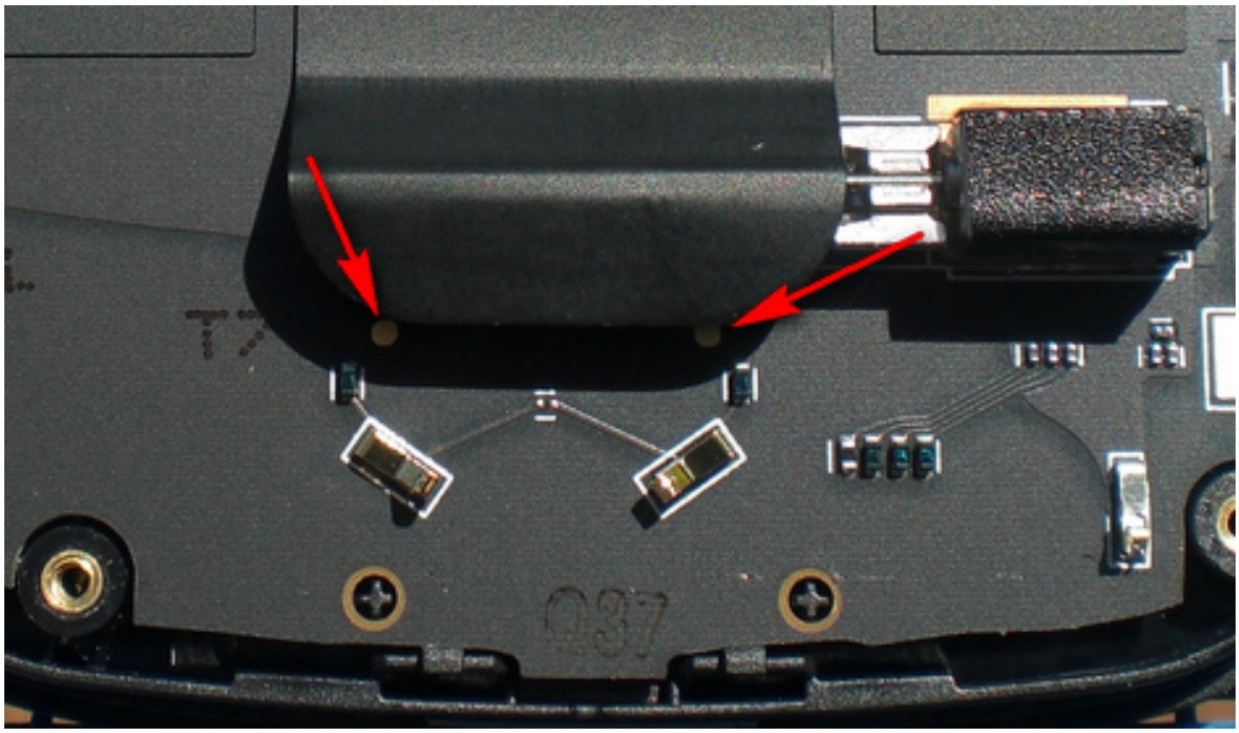


After a week of trying things and disassembling the whole phone 3 times I finally figured out why the speaker didn't work and found an easy fix.

After taking the phone apart I found that the speaker sits on top of 2 spring type connectors. These are fine but on the circuitboard just a quarter inch above the spring connectors are 2 extremely tiny and fragile miniature coils that are almost microscopic. The connect the speaker circuit to the main board and are extremely easy to break and lose. In fact, the speaker magnet had picked them both up. They are likely inductions coils to help with noise reduction but they really don't make a significant different.

The fix: I very lightly touched some solder to the exposed connectors to close the circuit on both right and left sides (there are 2 such micro induction coils that break off just by brushing them lightly). The solder did the trick. Speaker is working great.

It could be that you need to update the Touchpanel firmware, because the screens might have been used with a different version of webOS?

You would need to run the following for that on command line (novaterm or WOSQI)

Code:

```
stop hidd
cd /usr/bin
PmTpUpdater
start hidd
```

Great to see my instructions helped! Just make sure to use right spacing, Linux is sensitive for this :-)

So "cd /usr/bin"

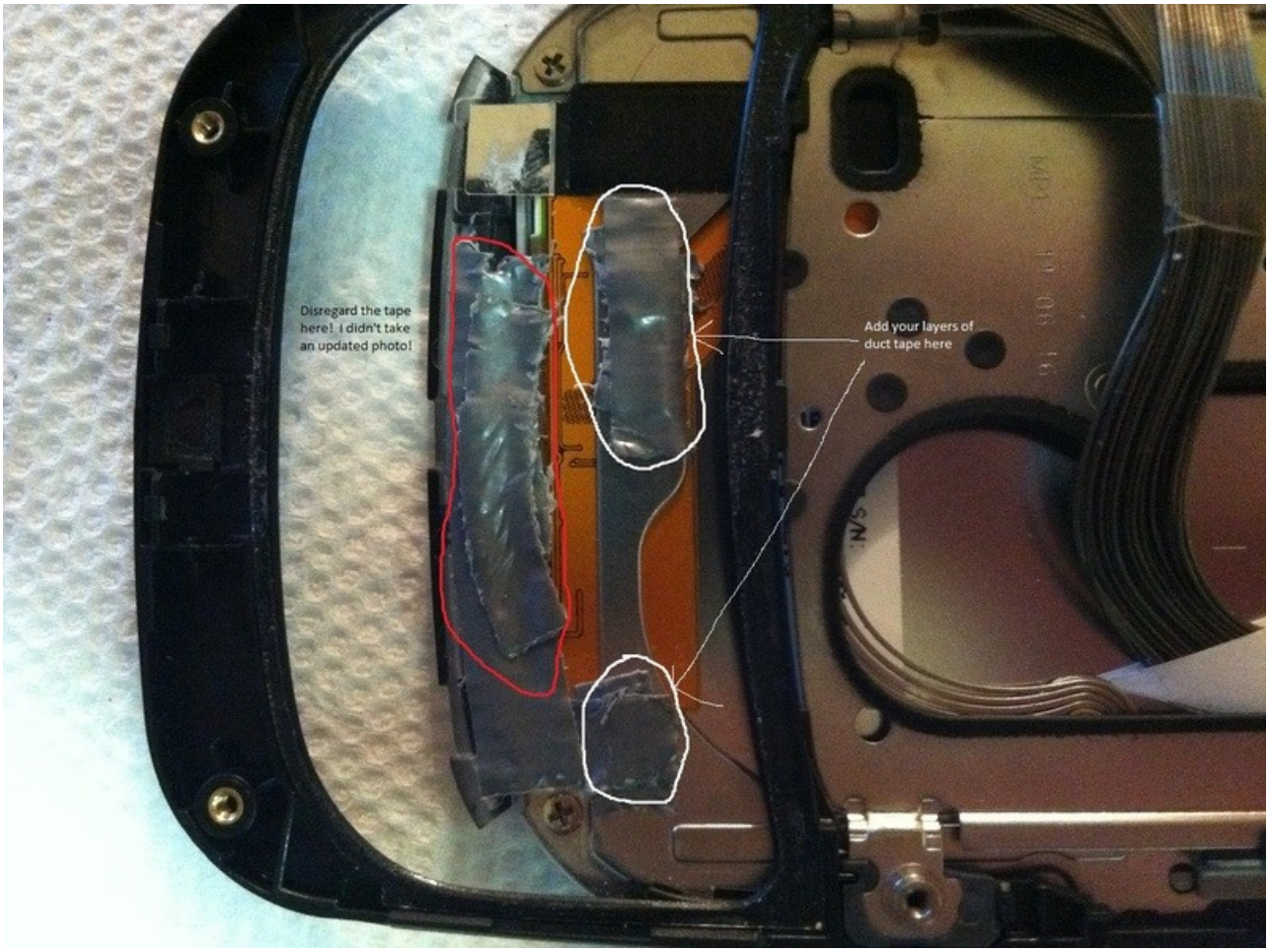
You can also run "PmTpUpdater -f" which forces and update in case it doesn't want to do it by itself ;-)

Taking the case apart is staight forward. Take off the back, remove battery. Remove SIM card if you have one. The screws are a T5 Torx. Menards, a midwest chain of home improvement stores, surprised me with having a nice T5 screwdriver (made in the USA!!) for under 4 bucks. WARNING: There is a hidden screw near the flash LED and the camera lense, there is a hole in the top case, and underneath was a round HP sticker; peel the sticker out of there to reveal the last screw (you can guess how I figured it was the last one..but didn't break case...I heard they aren't making these anymore...). The top section of the internal structure can be removed fairly easily.

Once you have removed the top portion, you are left with the inner workings of your

wonderful device. There is one more screw, next to the SIM holder, remove that. This piece is removed rather easily; the keyboard section is snapped in, and it is fairly straight forward on separating this inner board from the slide/screen section. WARNING: Be careful when separating the halves as the wiring for the screen in plugged into this section. I used a very small flat screwdriver to gently pry the connector from the board. This looks fragile, so treat it like you were doing an emergency surgery on your child. Because you are.

The next photo is where I put two layers of duct tape to build up the surface. I cut them with a knife still on the roll, so I could make small rectangles and cover the area I needed. Be careful not to cover the shiny piece at the end of the long black strip, as your keyboard wont light up. Try to stay on the metal part, and you should be fine. Make sure the edges of the tape pieces are pushed down to the metal as smooth as you can get them. YMMV on the number of pieces you need, two worked for me. I forgot to take updated photo, as I also put tape under the leading edge of the screen section, and that caught itself and didn't work so well. I have pointed that out in the photo.



By irishflyer97 at 2011-11-06

Assembly is straight forward as well. You might have to experiment with the number of layers it will take. This seems to have fixed my problem, and I hope it works for you as well!